

Converting Colors

$Y_{xy}(8.6196, 0.1307, 0.2388)$

Have a look what the booklet for
Yxy(8.6196, 0.1307, 0.2388)
contains.

Yxy(10.5624, 0.2029, 0.2504)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(10.5624, 0.2029, 0.2504)$

Conversions

Conversions Part 1

Format	Color
Hex	006383
RGB	0, 99, 131
RGB Percent	0%, 39%, 51%
CMY	0.9999, 0.6118, 0.4863
CMYK	1.00, 0.24, 0.00, 0.49
HSL	195°, 100%, 26%
HSV	195°, 100%, 51%
XYZ	8.5587, 10.5624, 23.0610
YIQ	73.0470, -69.2760, -11.0360

Conversions

Conversions Part 2

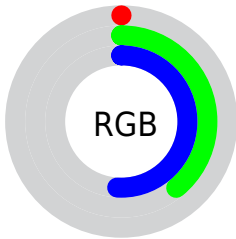
Format	Color
RYB	0, 56, 131
Decimal	25475
CIELab	38.83, -12.24, -24.68
CIELCh	39, 27.545, 243.615
Yxy	10.5624, 0.2029, 0.2504
Android (android.graphics.Color)	4278215555 (0xFF006383)
YUV	73.0470, 28.5708, -64.0622
Hunter-Lab	32.4998, -9.8672, -19.3206

Details

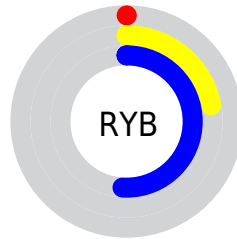
The Yxy color **10.5624, 0.2029, 0.2504** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **5.8600, 0.6042, 0.3584**, and the grayscale version is **6.6311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9356, 0.2300, 0.2719**, and **3.0501, 0.1939, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **10.5614, 0.2029, 0.2504**, and if you desaturate by 10%, it is **11.2677, 0.2078, 0.2592**.

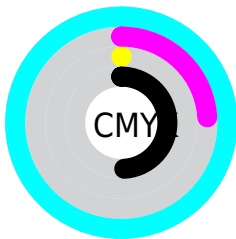
Distribution



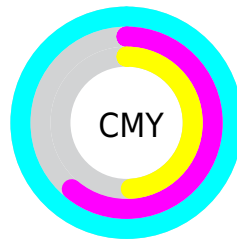
- Red (0%)
- Green (39%)
- Blue (51%)



- Red (0%)
- Yellow (22%)
- Blue (51%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (61%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5624, 0.2029, 0.2504 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.5624, 0.2029, 0.2504 by changing the saturation by 10% instead.

10.5624, 0.2029,
0.2504

10.5624, 0.2029,
0.2504

194.6402, 0.2681,
0.2994

5.7734, 0.1824,
0.2336

26.8481, 0.2295,
0.2712

2.7078, 0.1536,
0.2086

39.1136, 0.2386,
0.2781

0.9812, 0.1088,
0.1693

54.6400, 0.2460,
0.2835

0.0000, 0.0000,
0.0000

73.8118, 0.2520,
0.2879

97.0133, 0.2570,
0.2915

124.6289, 0.2613,

0.2946

157.0431, 0.2650,
0.2971

■ 10.5624, 0.2029,
0.2504

■ 10.5624, 0.2029,
0.2504

■ 10.5614, 0.2029,
0.2504

■ 11.2677, 0.2078,
0.2592

■ 12.0467, 0.2140,
0.2679

■ 12.9293, 0.2220,
0.2767

■ 13.9253, 0.2317,
0.2854

■ 15.0431, 0.2430,
0.2938

■ 16.2904, 0.2555,
0.3018

■ 17.6737, 0.2691,
0.3094

■ 19.1995, 0.2833,
0.3165

■ 20.8734, 0.2980,
0.3231

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.5624, 0.2055, 0.2937



10.5624, 0.2029, 0.2504



10.5624, 0.2253, 0.2318

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.5624, 0.2029, 0.2504



10.5624, 0.3944, 0.2983



10.5624, 0.3457, 0.4442

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.5624, 0.2029, 0.2504



5.8600, 0.6042, 0.3584

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.5624, 0.4011, 0.4314



10.5624, 0.2029, 0.2504



10.5624, 0.4331, 0.3451

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.5624, 0.2029, 0.2504



10.5624, 0.3326, 0.2598



10.5624, 0.4345, 0.3929



10.5624, 0.2844, 0.4165

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.5624, 0.2029, 0.2504



10.5624, 0.2532, 0.2323



10.5624, 0.4345, 0.3929



10.5624, 0.3656, 0.4440

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.5628, 0.2029, 0.2504



31.4641, 0.2681, 0.3089



16.3301, 0.2916, 0.5696



7.1119, 0.2631, 0.3062



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.5628, 0.2029, 0.2504



18.6631, 0.2024, 0.2485



2.8382, 0.1603, 0.0968



5.0913, 0.2992, 0.3236



10.4000, 0.2029, 0.2504



0.0474, 0.2142, 0.2912

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.7269, 0.3918, 0.1932



10.2289, 0.3938, 0.1943



13.2050, 0.4739, 0.4619



4.7439, 0.3171, 0.3127



5.6368, 0.3918, 0.1932



0.0207, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 10.5624, 0.2029, 0.2504 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.5624, 0.2029, 0.2504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

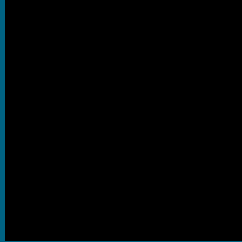
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.5624, 0.2029, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 10.5624, 0.2029, 0.2504.

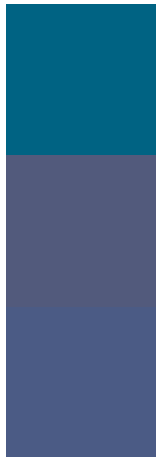


This preview shows how white text looks on a background with the Yxy color 10.5624, 0.2029, 0.2504.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.5624, 0.2029, 0.2504

Protanopia

10.5614, 0.2573, 0.2522

Deuteranopia

10.6715, 0.2405, 0.2360



Tritanopia

10.6069, 0.2194, 0.3098

Trichromacy



Original Color

10.5624, 0.2029, 0.2504

Protanomaly

10.0911, 0.2246, 0.2474

Deuteranomaly

10.2997, 0.2182, 0.2395

Tritanomaly

10.5917, 0.2130, 0.2869

Monochromacy



Original Color

10.5624, 0.2029, 0.2504

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.4236, 0.2438, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5624, 0.2029, 0.2504 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 99, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 131)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 99, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 131) }
```

Border

The CSS property to change the border of an element to Yxy 10.5624, 0.2029, 0.2504 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 99, 131) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 99, 131) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 99, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 131)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5624, 0.2029, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 131) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 99,  
131) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor